Pest Alert

FOREST SERVICE--U.S. DEPARTMENT OF AGRICULTURE
IN COOPERATION WITH YOUR STATE AGENCY

DIEBACK OF BLACK WALNUT SAPLINGS

Top dieback of black walnut has been observed in 3-7 year old plantations in Illinois, Indiana, and North Carolina. In infected plantations, mortality has averaged 30% of the trees in one growing season.

The most common symptom is basal sprouting of the affected trees. Other symptoms include wilted leaves, top dieback, and cankers on the main stem. Bark separation and small holes may be present near the cankered areas.

The cause of the dieback has not been conclusively determined; however, a fungus, *Fusarium* sp., has been isolated from cankered areas of some affected trees.

Top dieback

Stem canker

Basal sprouting

Reports of this disease should be sent to:

* U.S. GOVERNMENT PRINTING OFFICE: 1977 - 751-726